

# Business Opportunity Conference



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# The XFD Is Divided Into 4 Basic Areas

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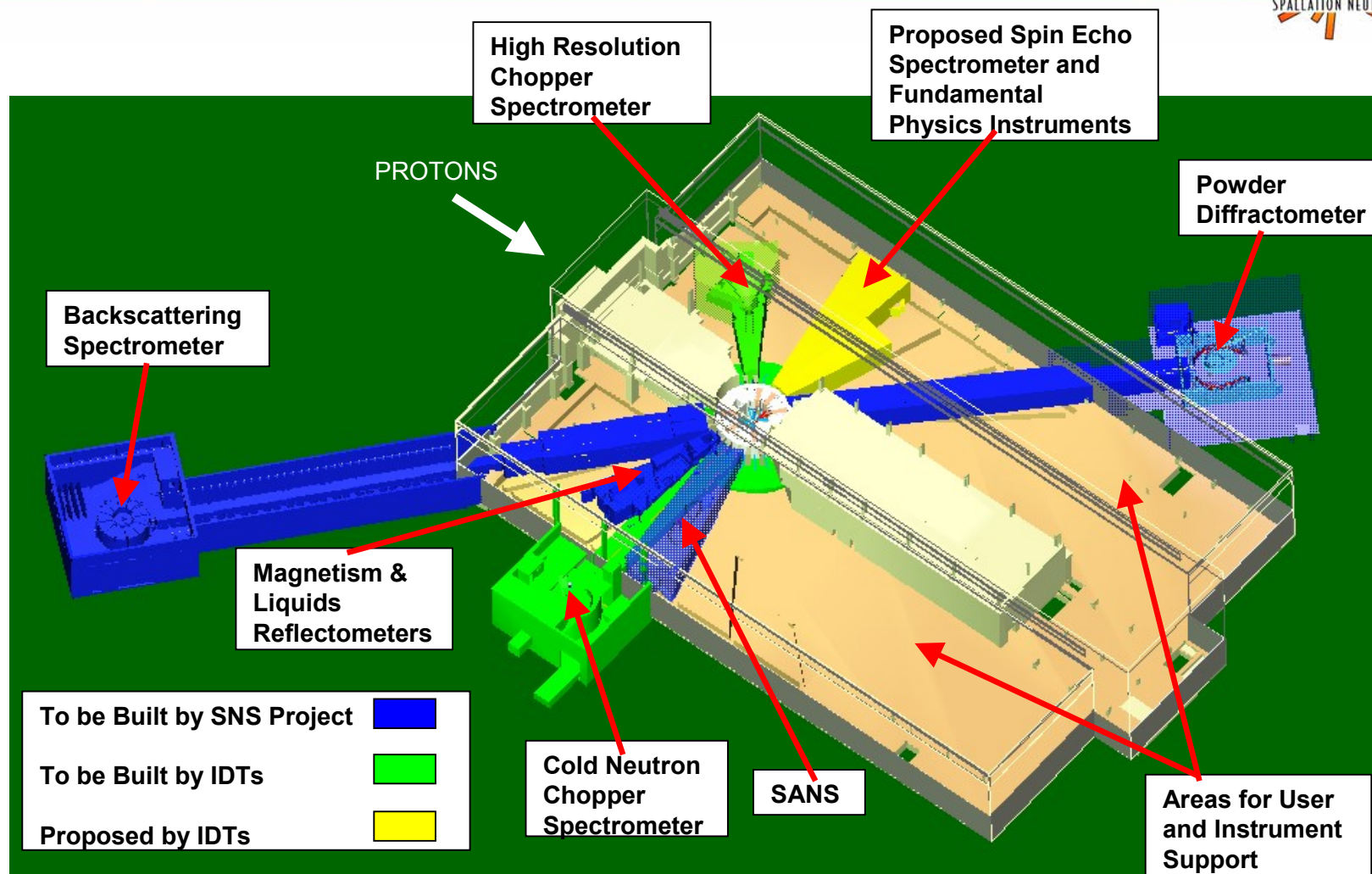
**Instruments Systems:** The two main functions for the Instrument Section are to develop five world class instruments and assist the user community in developing other instruments (Instrument Development Team [IDT] and Instrument Advisory Team [IAT]).

**User Program:** The scope of the user program is to support the technical, scientific, and logistics of a 1000-2000 users per year program and provide a formal basis for input to management on user concerns (SNS/HFIR User Group [SHUG]).

**Target Systems:** The purpose of TS is to safely convert the proton beam energy into low energy neutrons that satisfy the requirements of the neutron scattering instruments, provide 18 shutters with 24 neutron ports, build three beam dumps and obtain neutronic and shielding data.

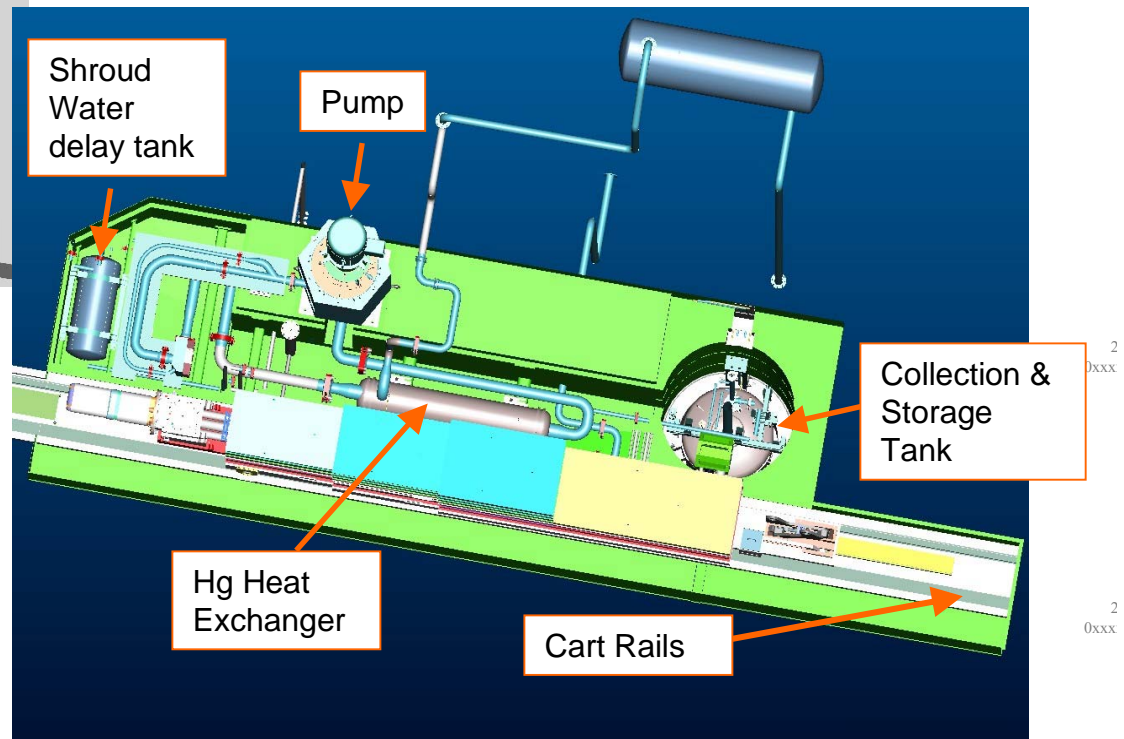
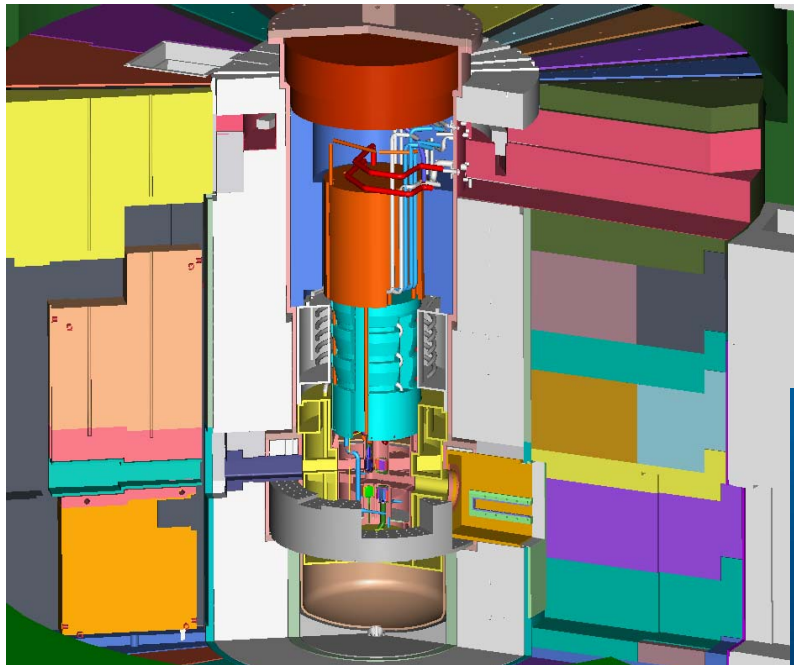
**Operations:** The main purpose of the Operations Group is to safely operate the target systems; i.e, the mercury target loop, the moderator/reflector system, the associated utilities, shutters, etc.

# The SNS High Power Target Building Is Becoming a Reality



All of the supporting piles have been placed into the ground, rebar is being placed, and concrete is being poured.

# Monolith Region Without Target Cart and Process Bay Equipment in Hot Cell with Target Cart Extracted



# Installation Method of Accomplishment

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- **Target systems installation is to be accomplished primarily by the General Contractor**
  - Specialized activities which will have to be done by operators will be performed by SNS technicians (installing core vessel inserts with remote handling equipment for example).